Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/14/2017 02:28 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125997	0	1.25	125897	1.21
Blue	F	SSC	125000	122809	-2	2.67	123201	2.49
Blue	E	FITC	23355	22374	-5	2.41	996	10.24
Blue	D	PE	28848	28254	-3	1.87	1016	9.75
Blue	B	PerCP-Cy5-5	47791	47251	-2	3.24	1349	17.01
Blue	A	PE-Cy7	41358	40818	-2	5.08	637	35.68
Red	C	APC	51316	50894	-1	2.67	2945	9.56
Red	A	APC-Cy7	53225	52607	-2	3.15	1091	11.39
Violet	B	V450	14473	13931	-4	3.27	669	8.41
Violet	A	V500	59973	58893	-2	2.99	2612	5.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19834	3.04	609	11	N/A	N/A	Pass
Blue	F	SSC	60892	1.45	541	7	N/A	N/A	Pass
Blue	E	FITC	112	38.37	543	-1	0.0207	128	Pass
Blue	D	PE	222	29.12	540	2	0.1622	248	Pass
Blue	B	PerCP-Cy5-5	211	44.48	631	1	0.0099	65	Pass
Blue	A	PE-Cy7	68	122.60	683	2	0.0117	19	Pass
Red	C	APC	345	26.96	593	-1	0.0194	0	Pass
Red	A	APC-Cy7	121	39.92	573	-3	0.0054	1475	Pass
Violet	B	V450	81	37.85	463	-8	0.0460	1309	Pass
Violet	A	V500	191	20.04	494	-7	0.0150	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.98	-31.48	0.86
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	18.53	13.27 - 19.91	N/A	N/A	31.43	31.99	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15010

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments